

FIG. 1

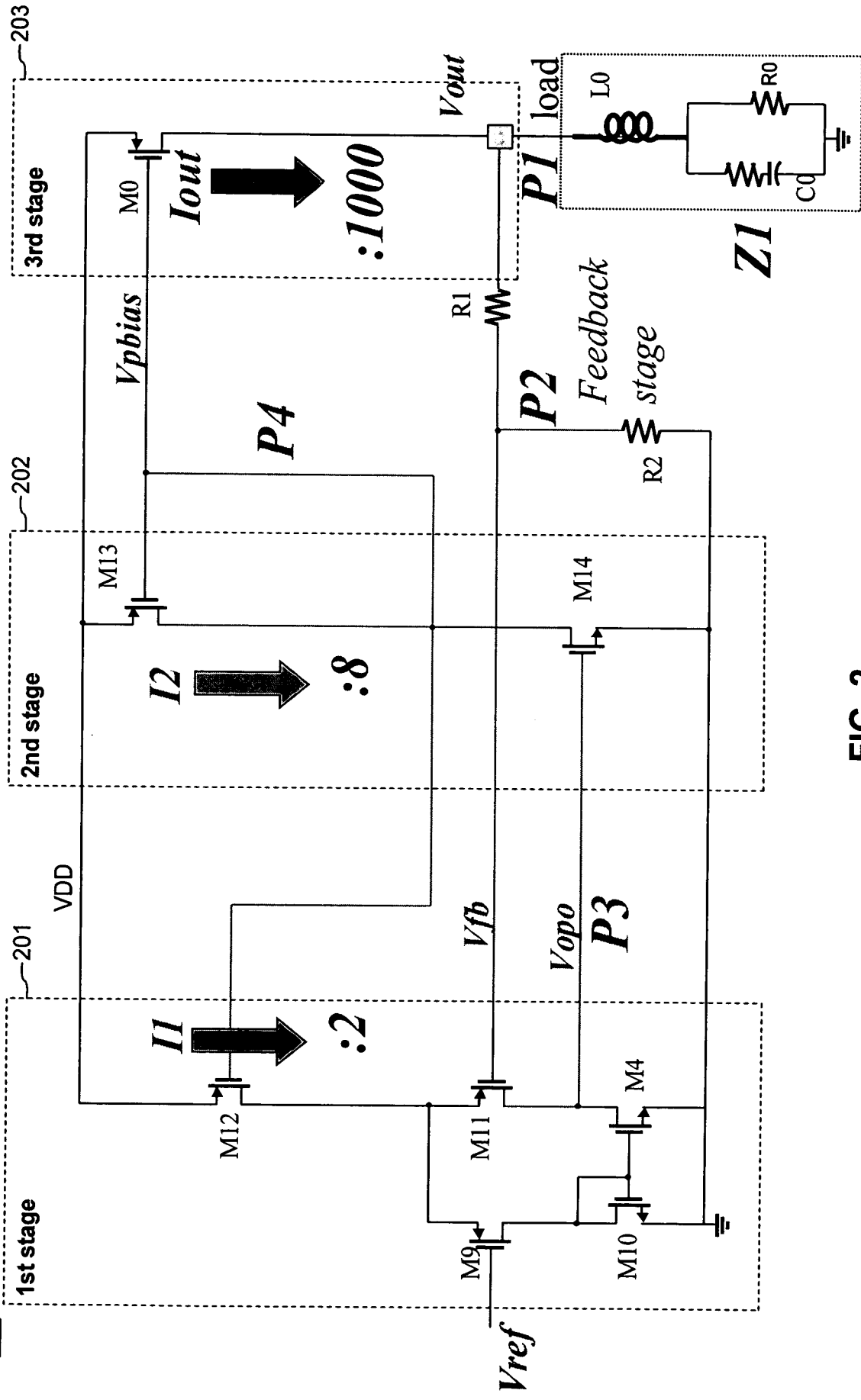


FIG. 2

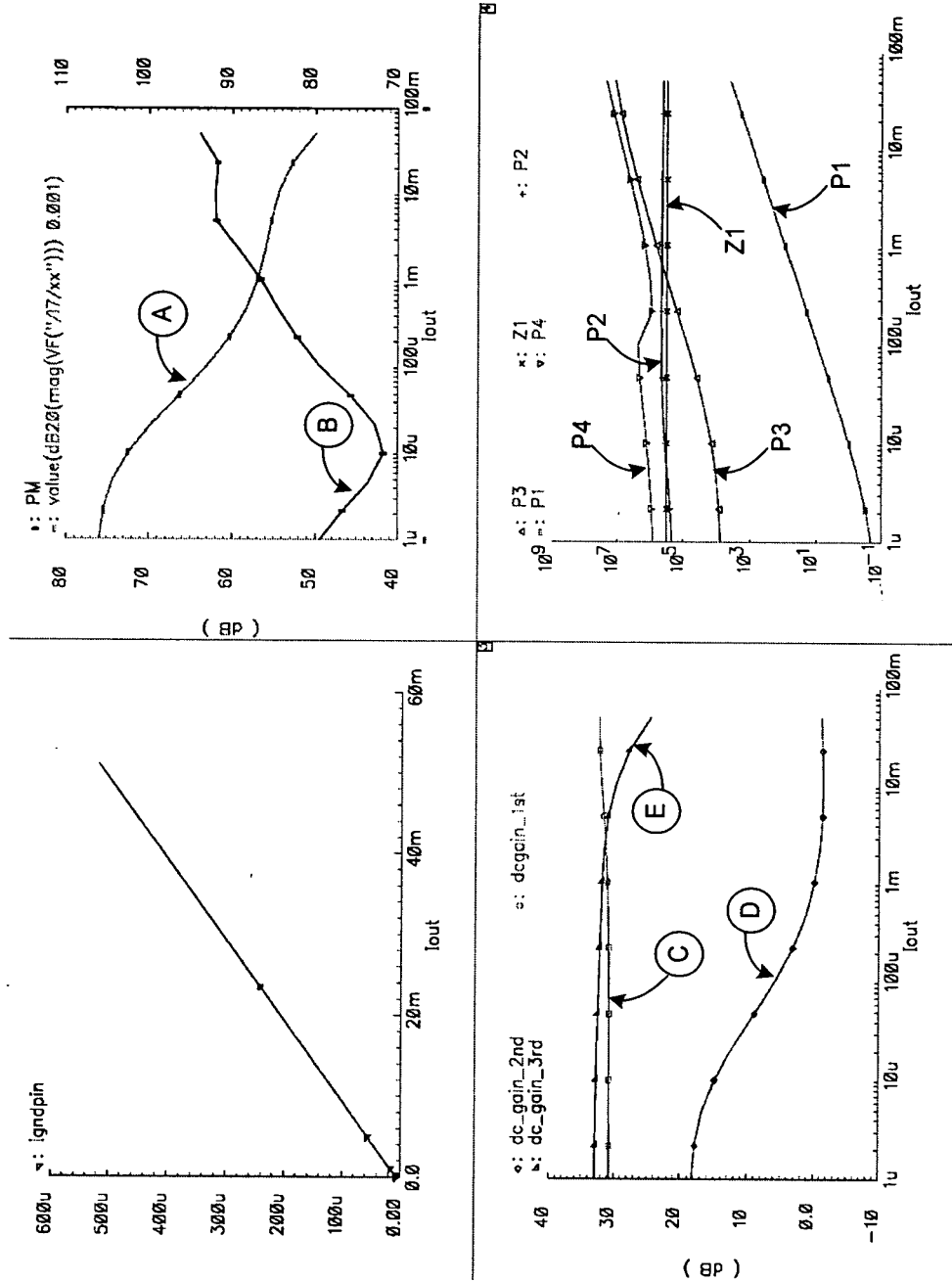


FIG. 3

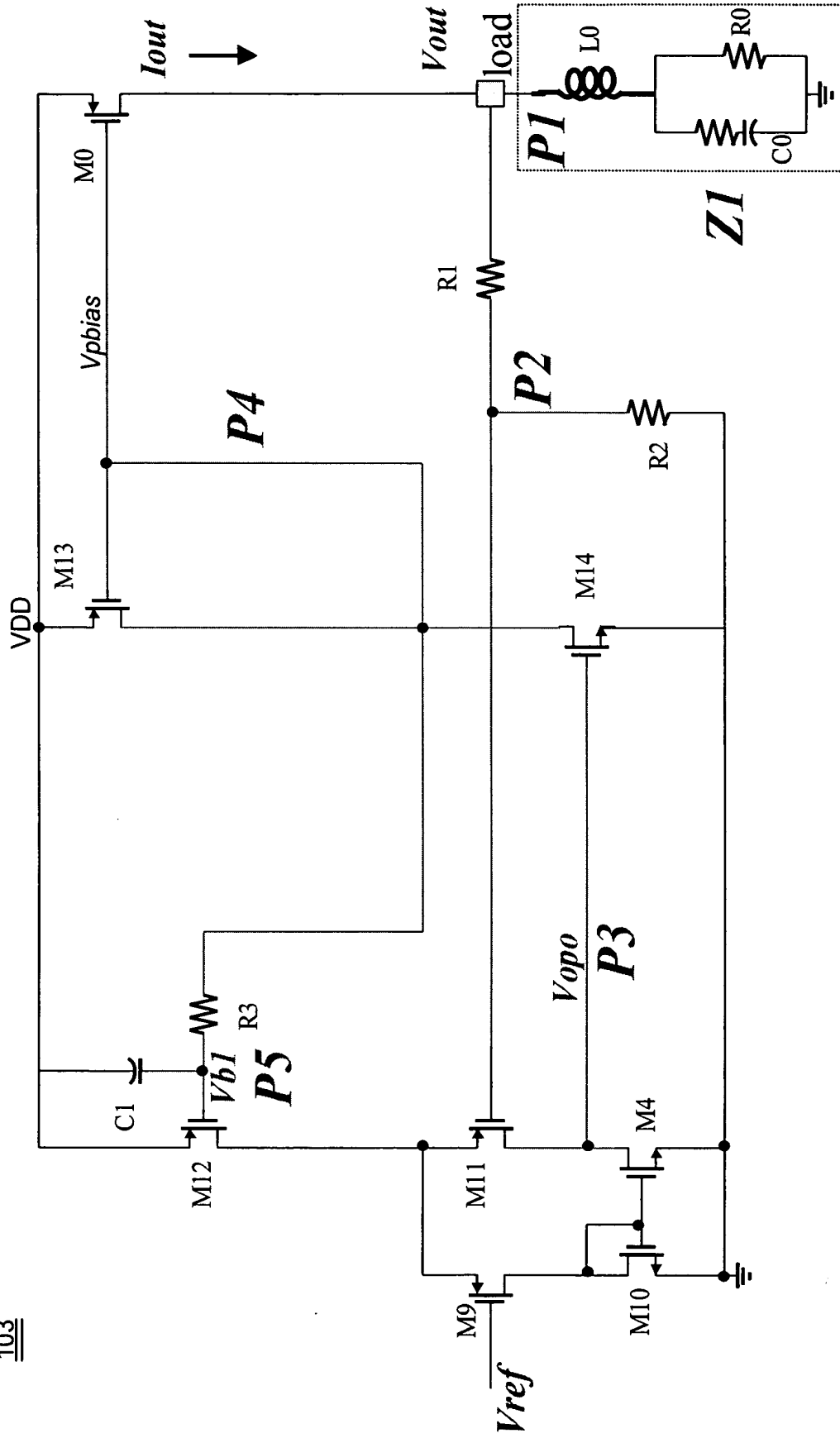


FIG. 4

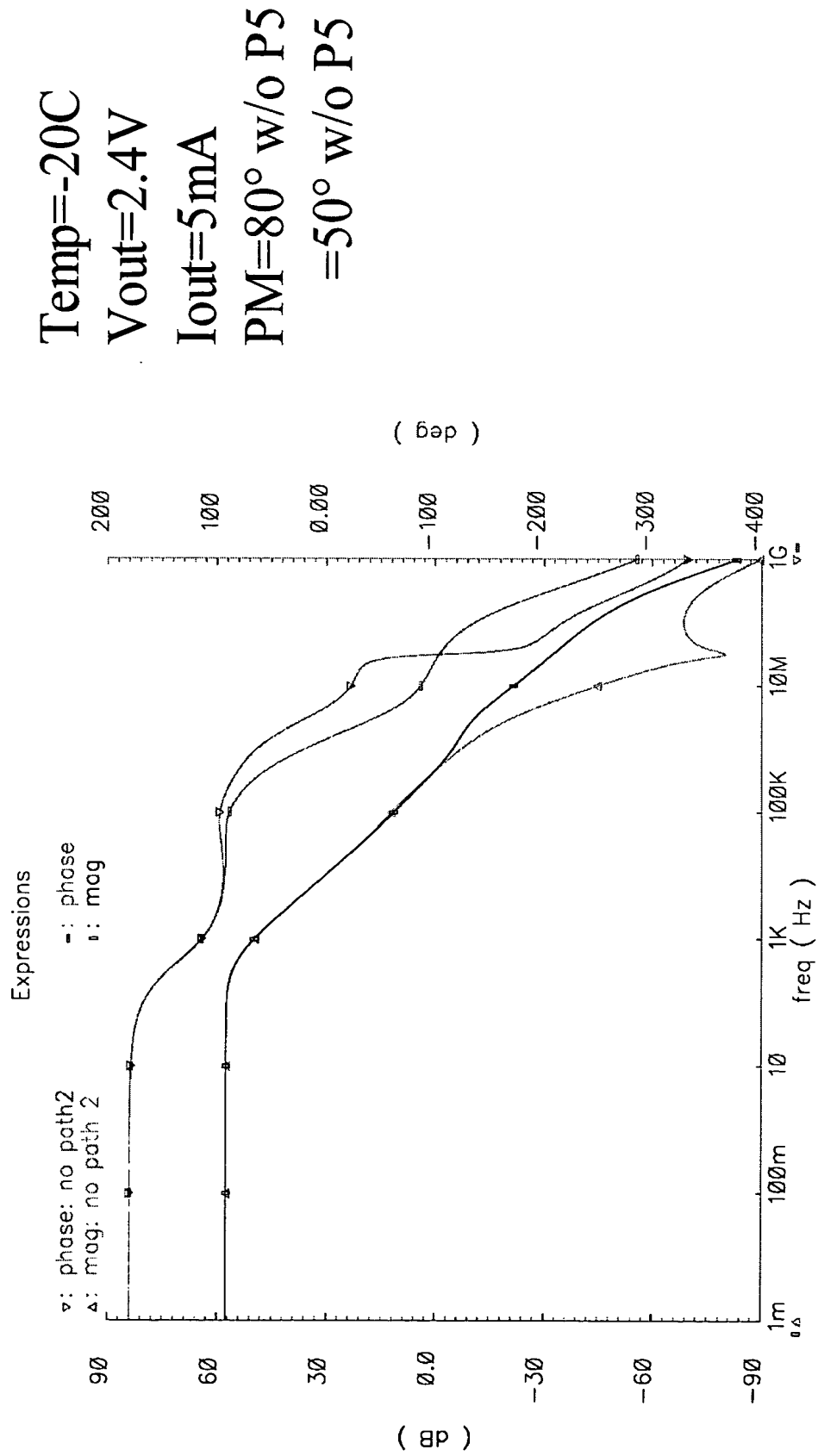


FIG. 5

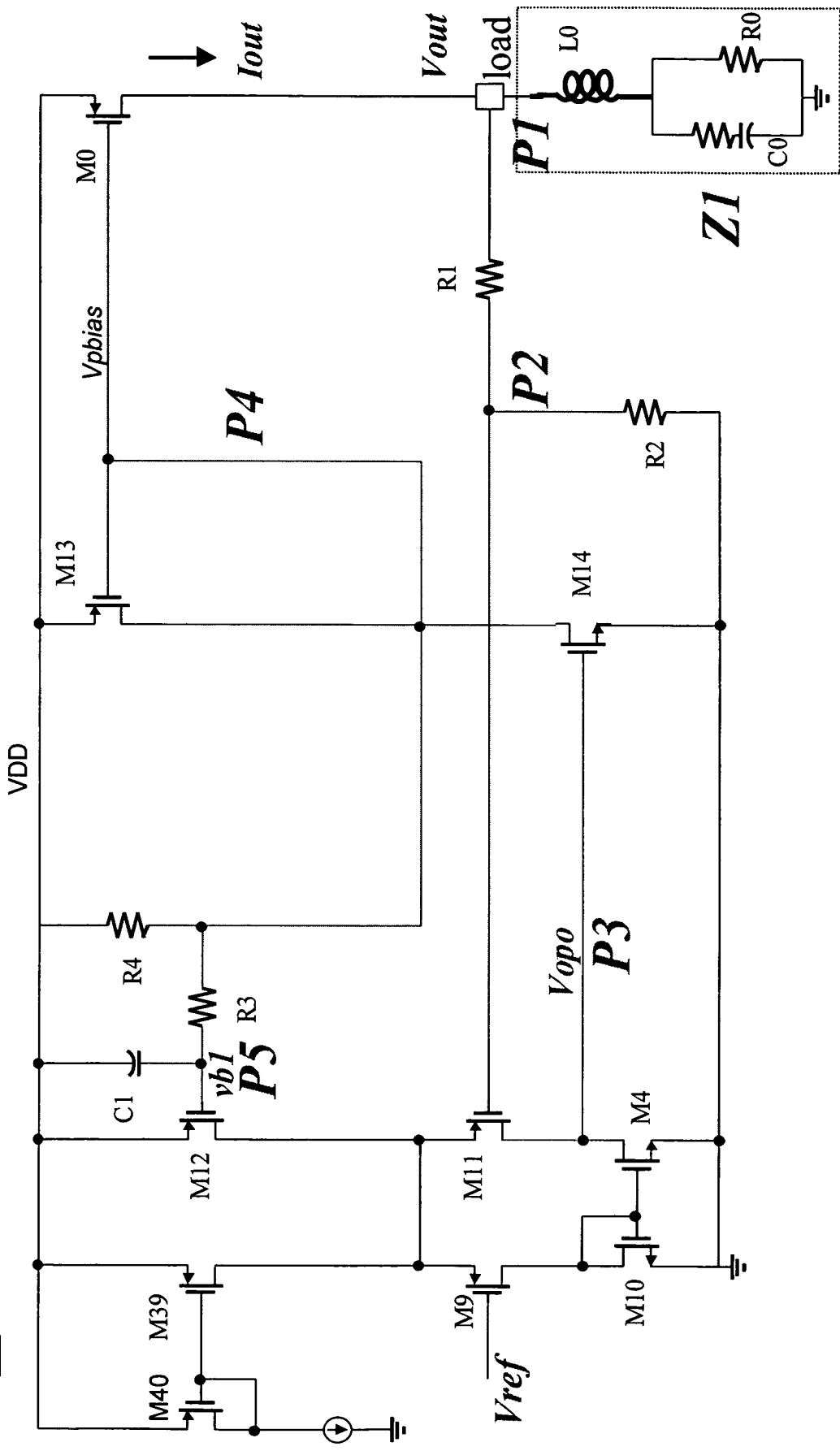


FIG. 6

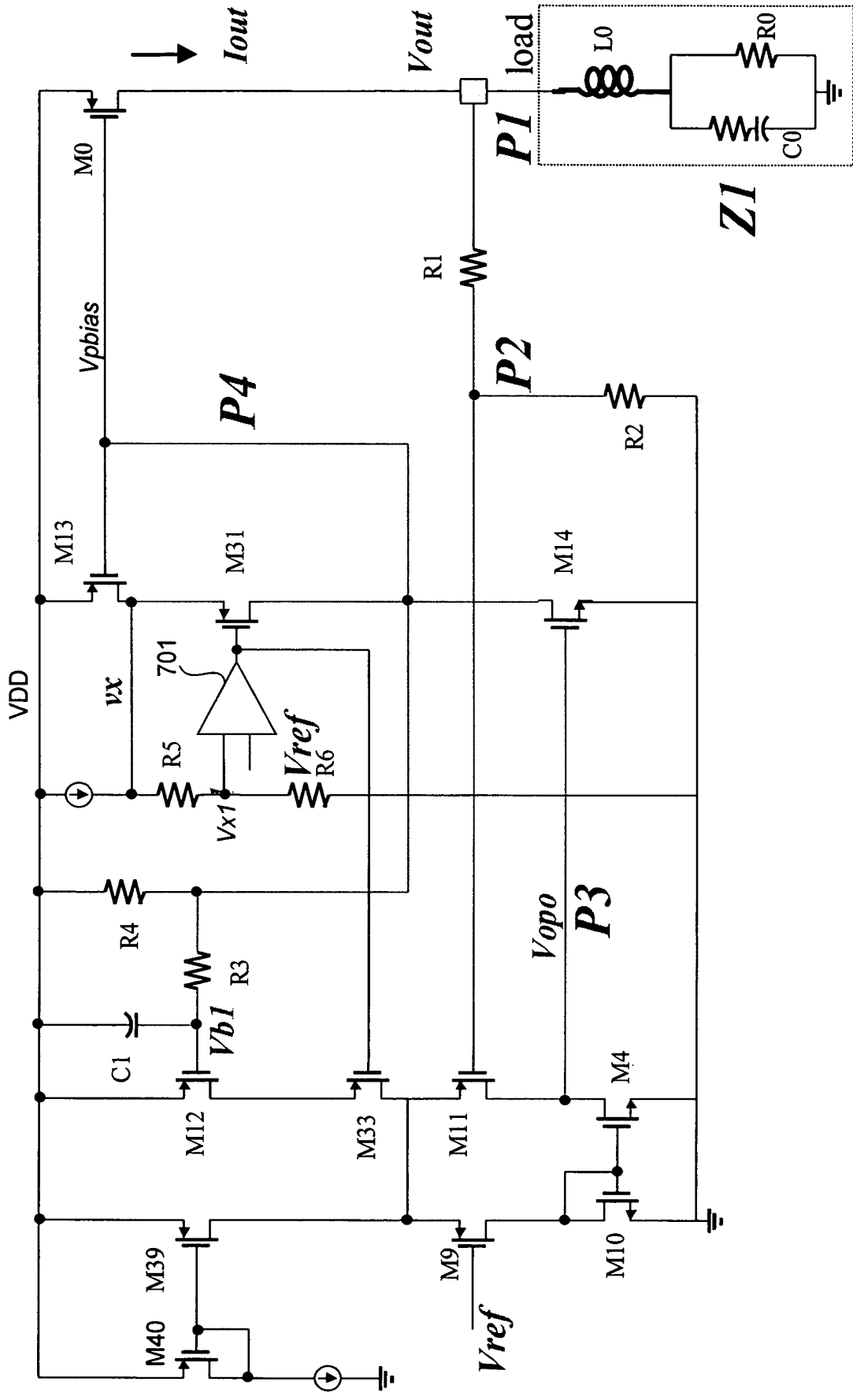


FIG. 7

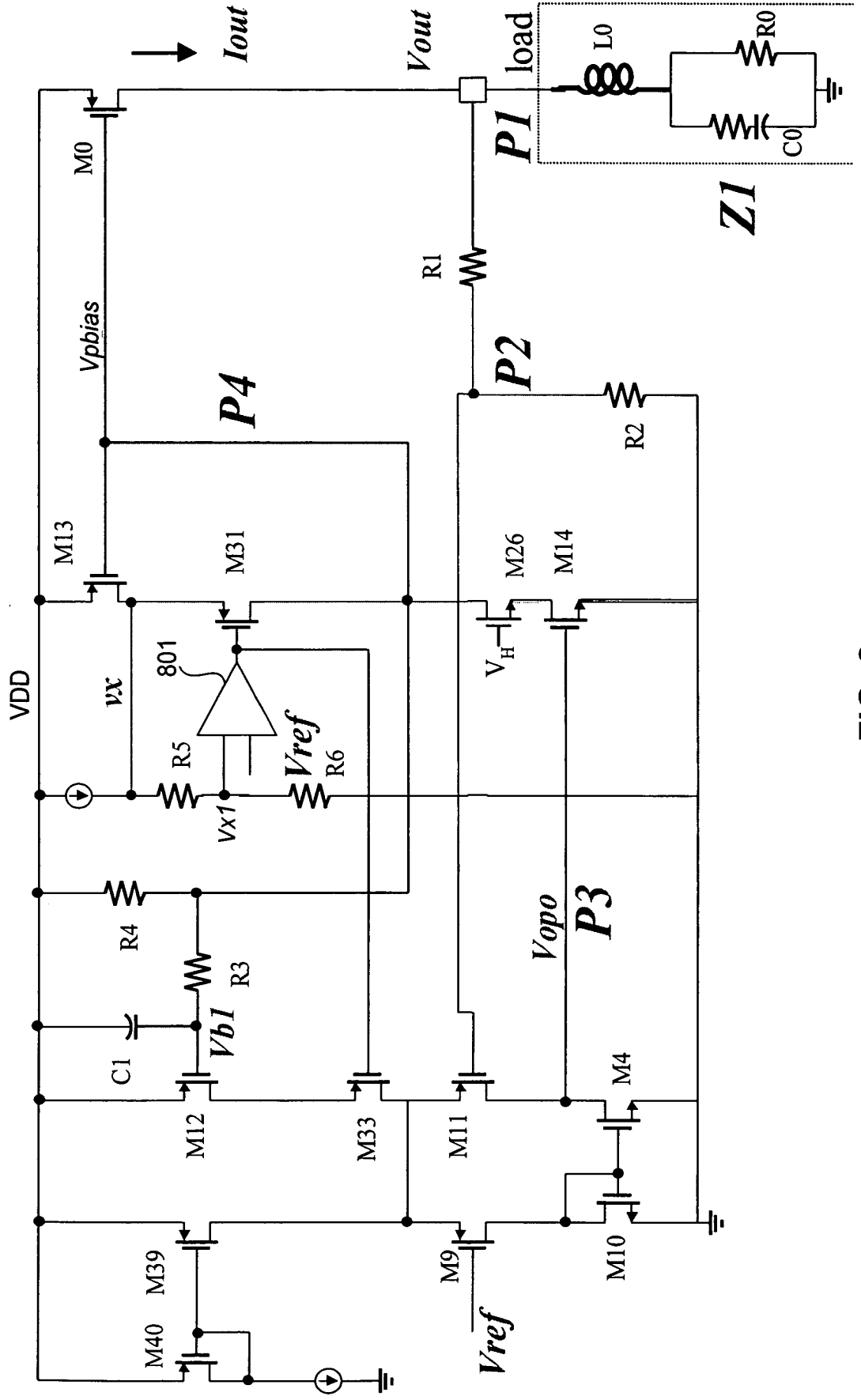


FIG. 8

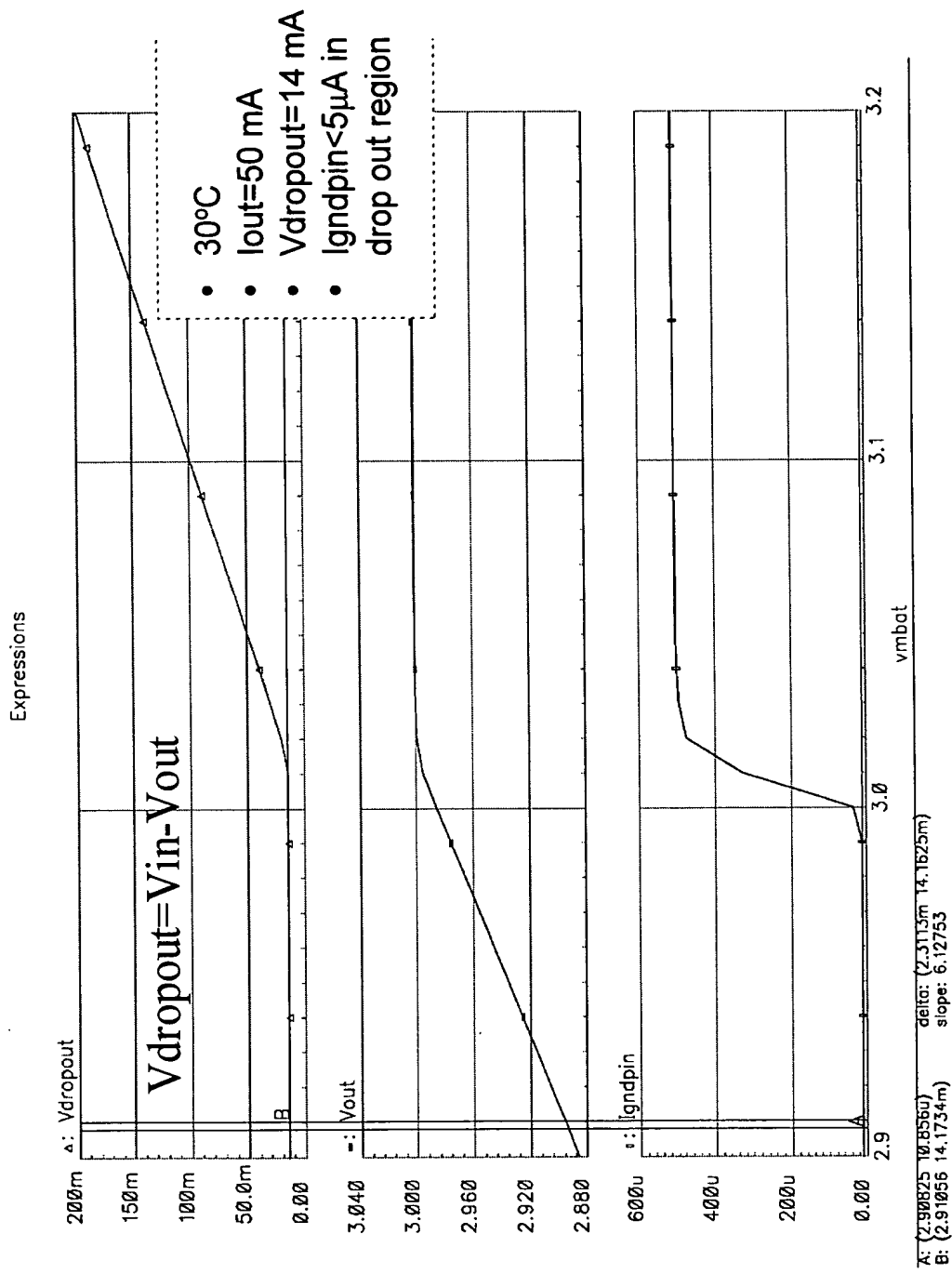


FIG. 9

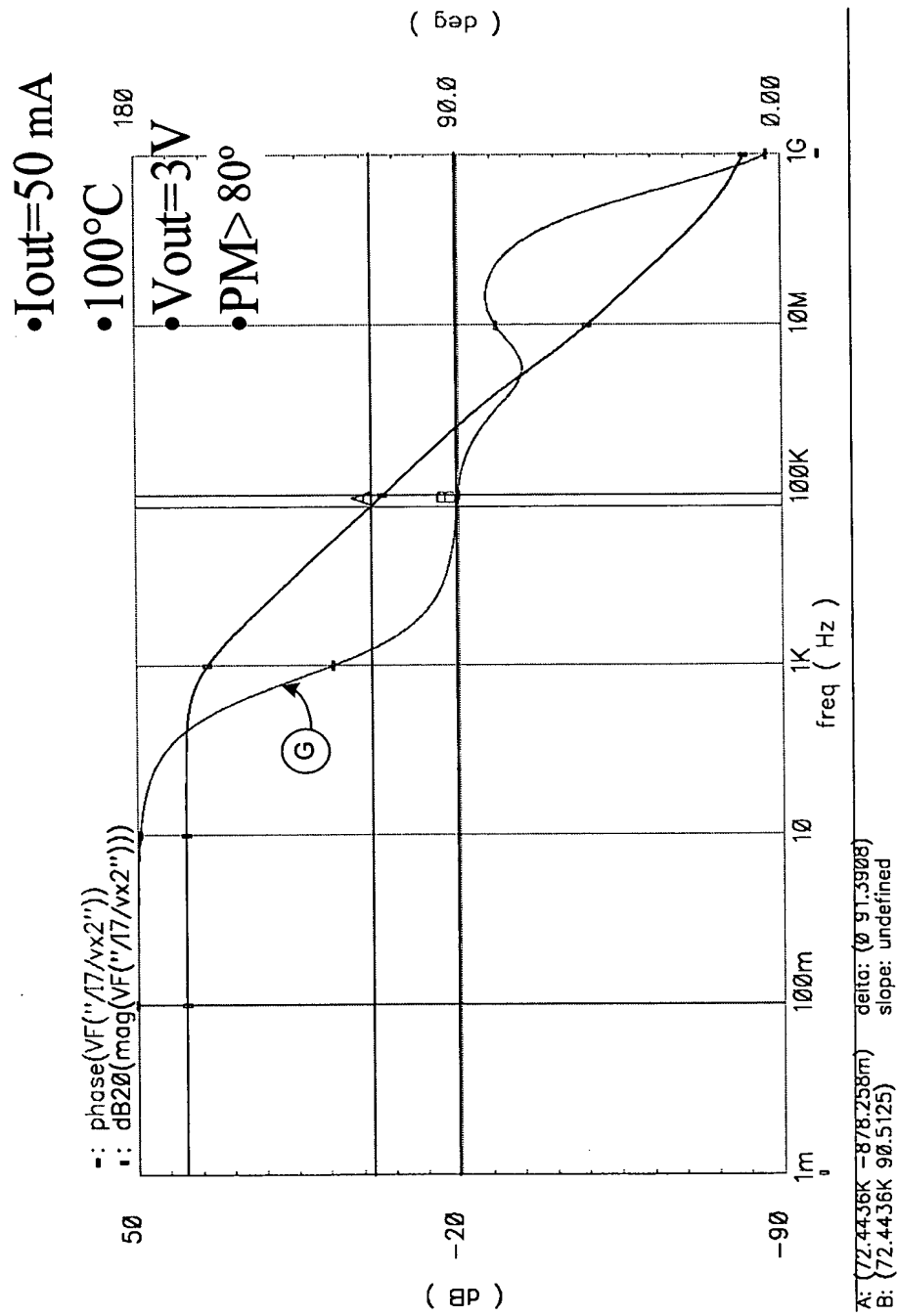


FIG. 10

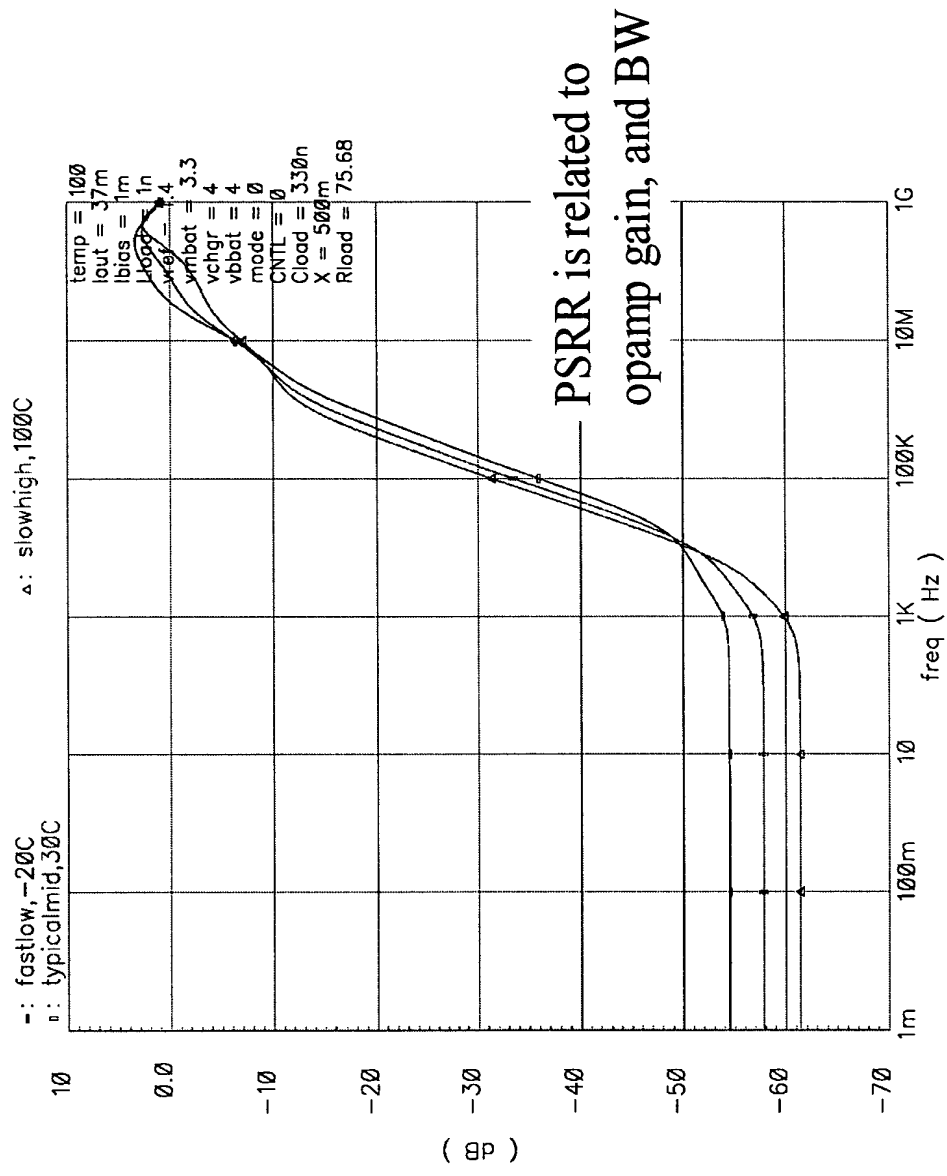


FIG. 11

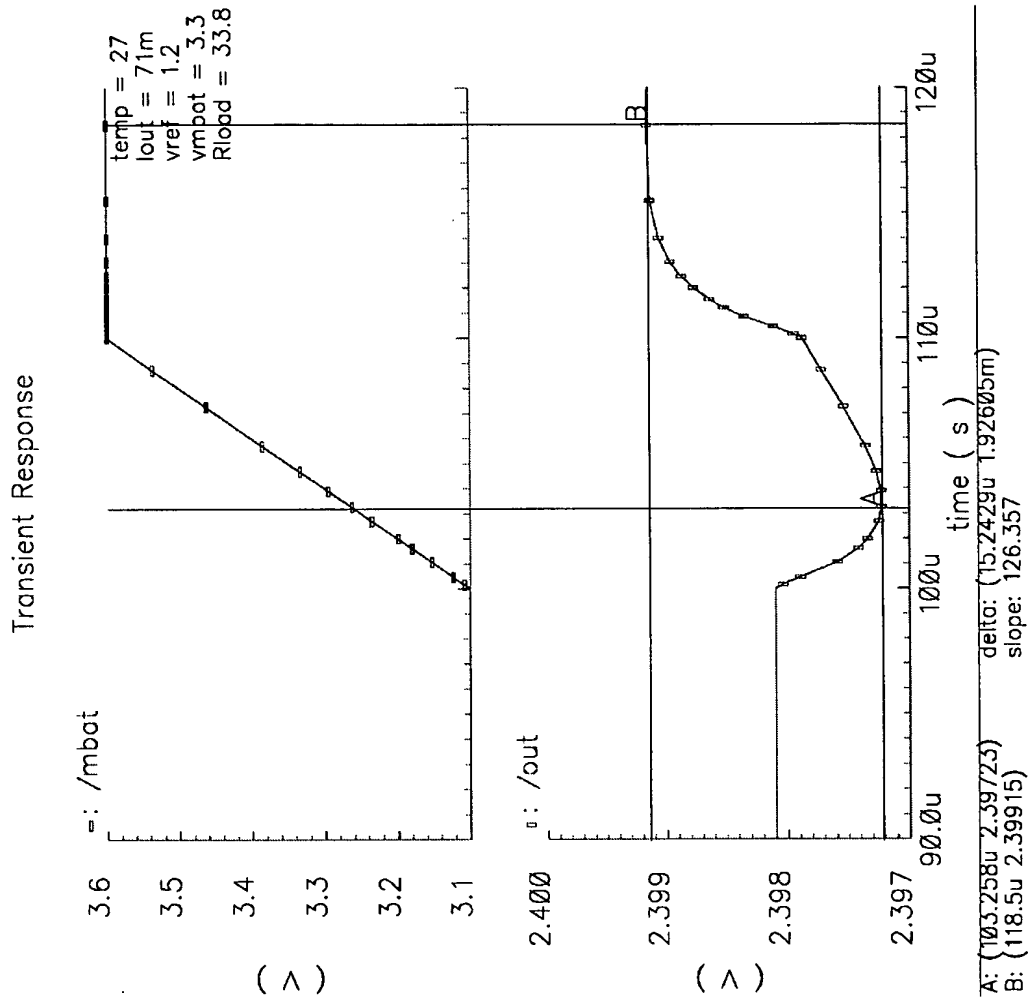


FIG. 12

DC Response

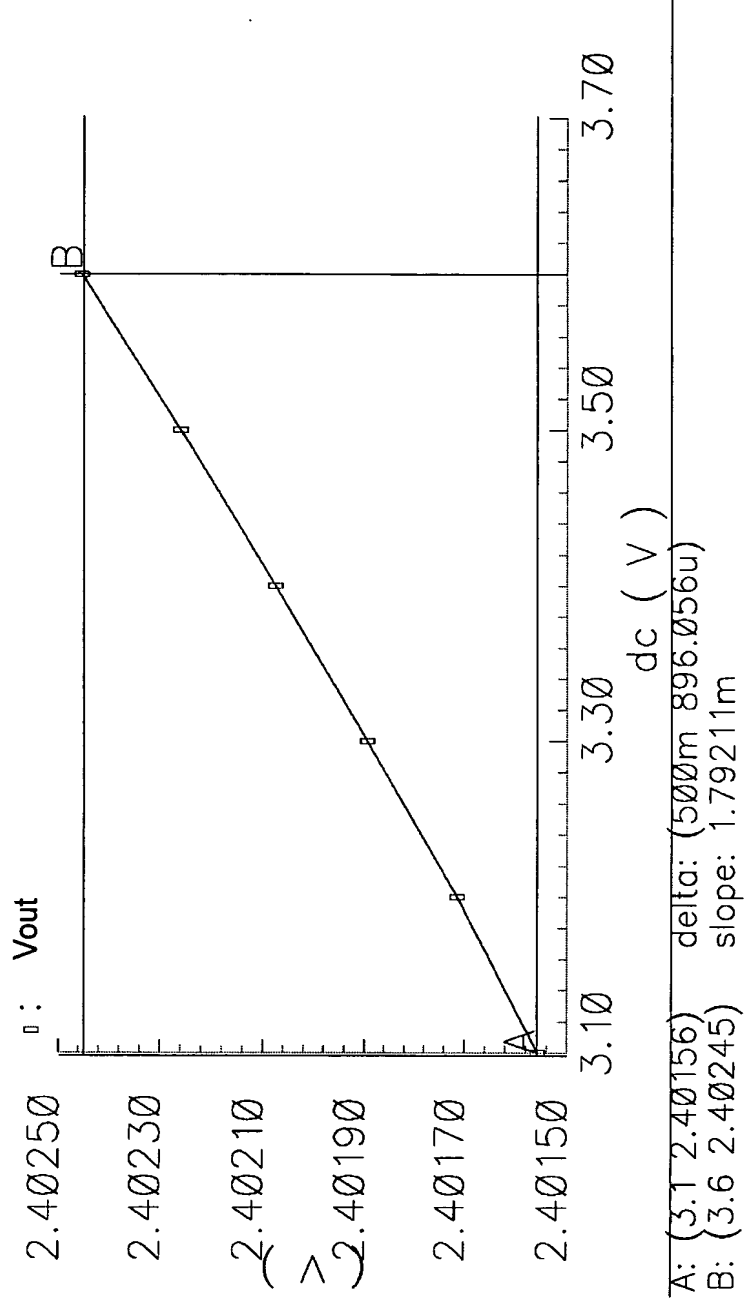


FIG. 13

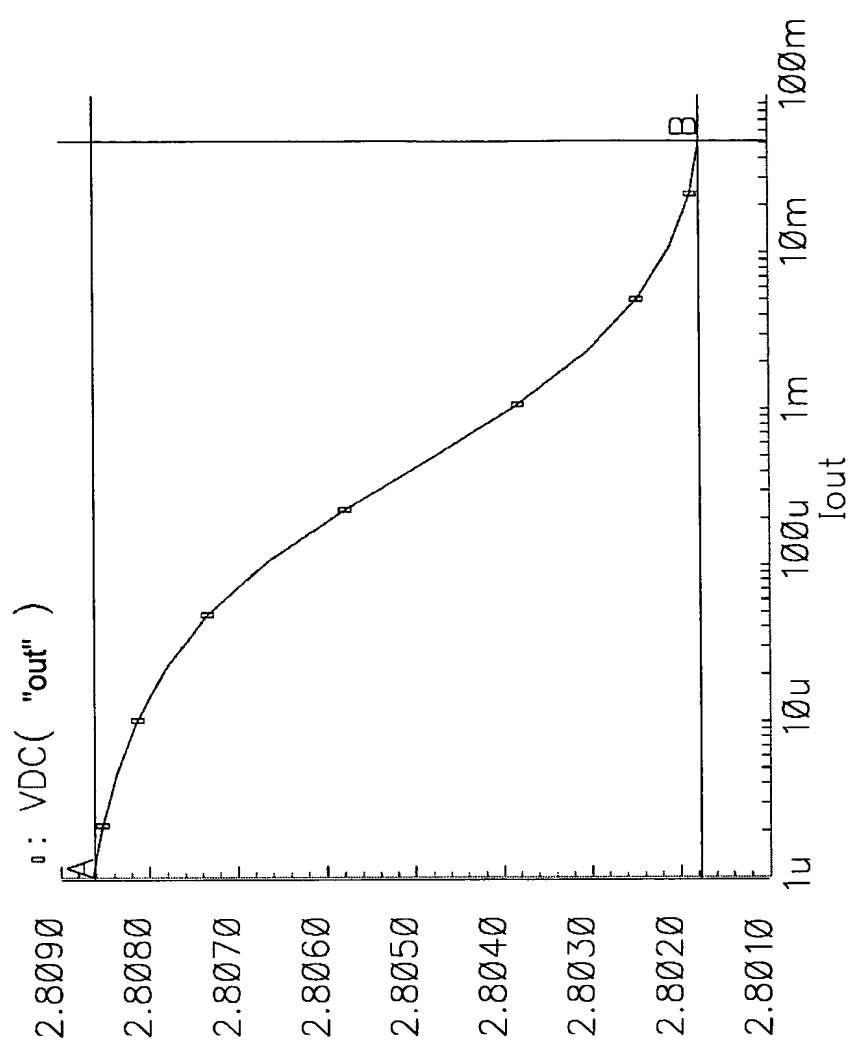


FIG. 14

Transient Response

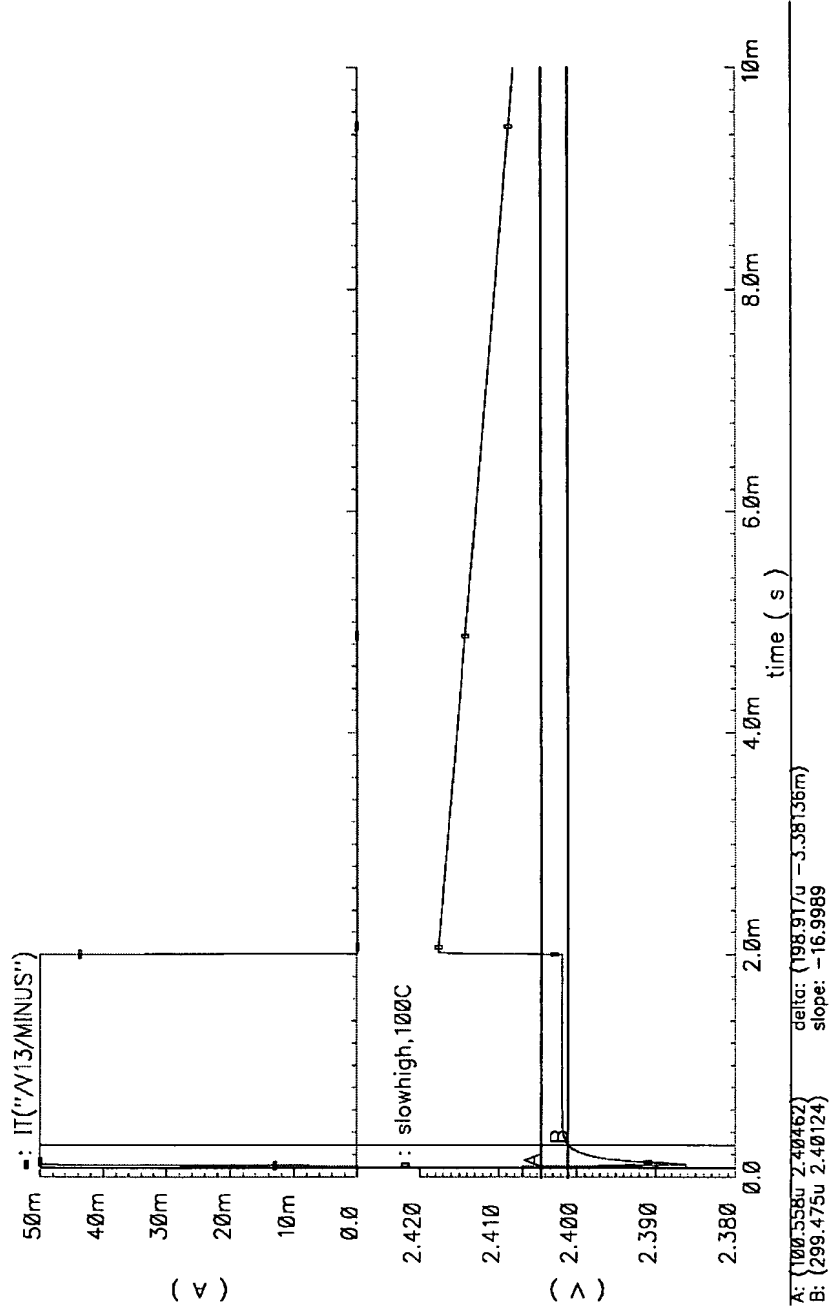


FIG. 15

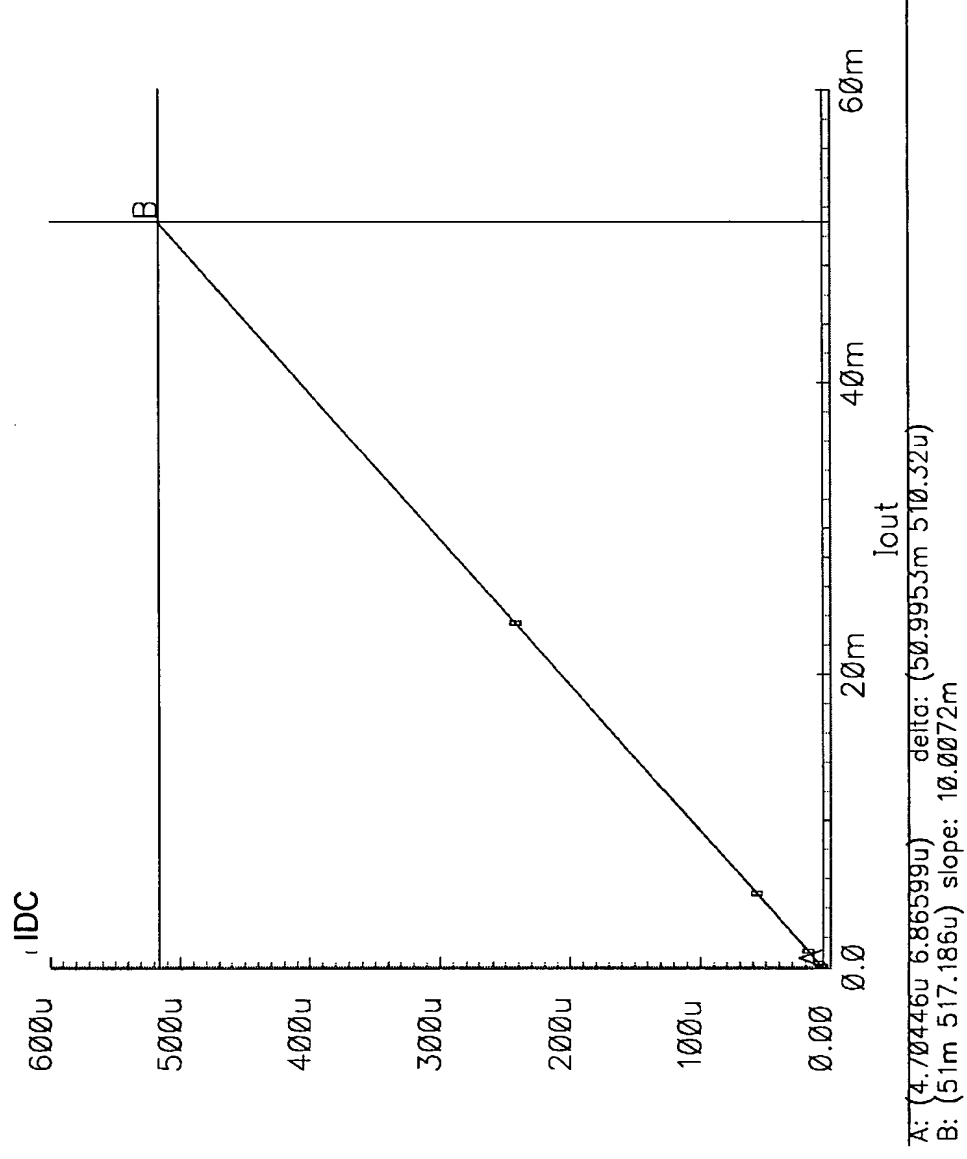


FIG. 16

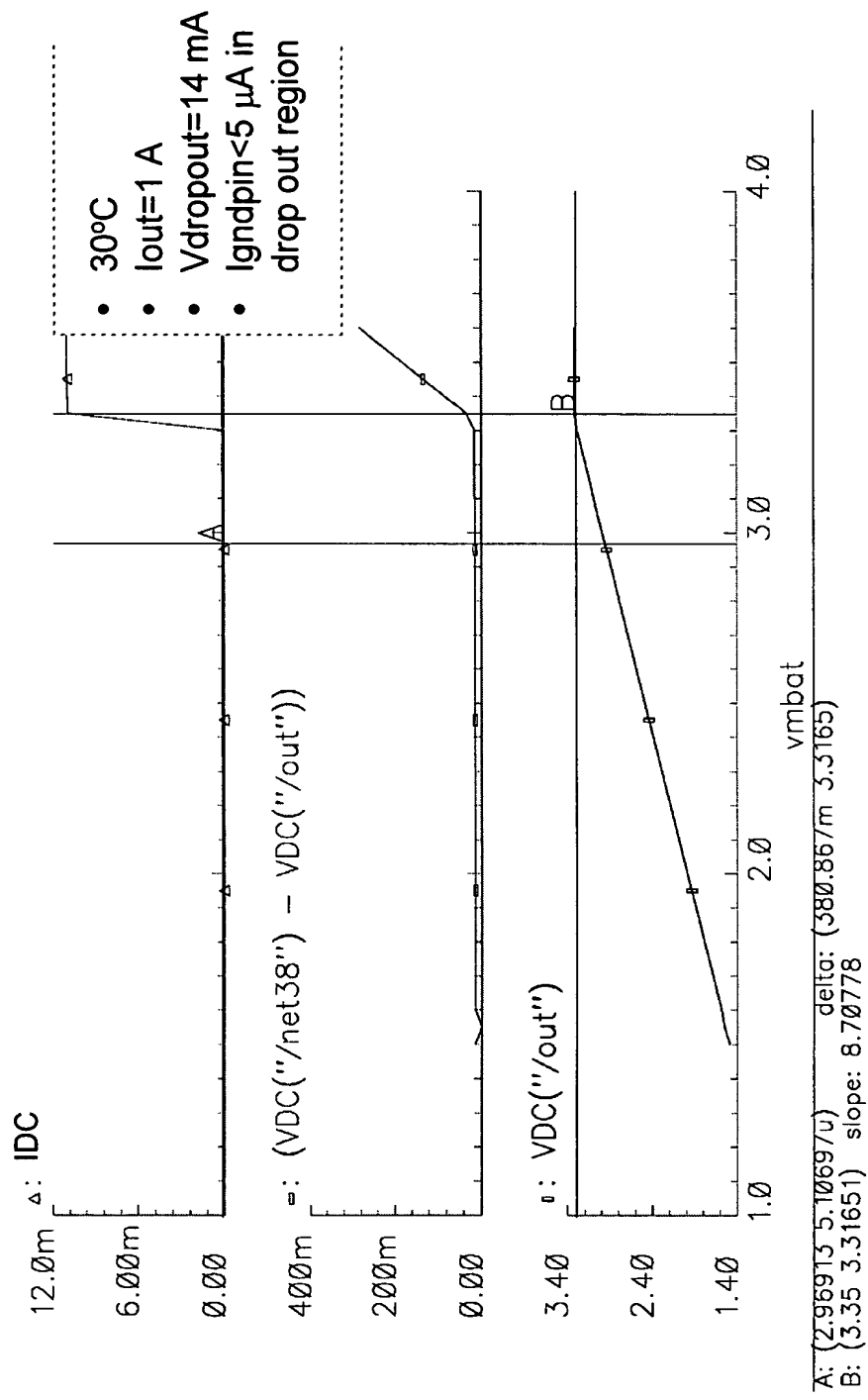


FIG. 17

| spec | TI | Maxim | Philips | BRCM | Unit |
|--------------------------------|----------|--------------|----------|---------|------|
| Part # | TPS72116 | MAX8875EUK15 | PCF50604 | BCM2123 | |
| Output Current | 150 | 150 | | 150 | mA |
| Output Voltage | 1.22-2.5 | 1.5 | - | 1.2-3.2 | V |
| VO Accuracy | +/- 3 | +/- 3 | +/-3.5 | +/-3.5 | % |
| Input Voltage | 1.8-5.5 | 2.5-6.5 | | 3.3 | |
| Dropout voltage@150mA | 150 | 165 | | 14 | mV |
| VO Line Step Response | | 40 | 3 | 0.9 | mV |
| VO Load Regulation | 0.014 | 0.01 | 0.01 | 0.002 | %/mA |
| VO Load Step Response | 6.3 | 0.9 | 4 | 0.9 | % |
| Line Regulation | 0.72 | 7.4 | 1 | 0.17 | mV/V |
| Ground pin current@OFF | <1 | <1 | <1 | <1 | uA |
| Ground pin current@no load | 85 | 85 | 30 | 7 or 21 | uA |
| Ground pin Current@150mA | 570 | 100 | 3000 | 1500 | uA |
| Activation Time | 20 | 20 | 130 | 12 | us |
| Output Noise Voltage(200-100K) | 90 | 170 | | 84 | uV |
| PSRR@100Hz | 48 | 60 | 60 | 58 | dB |
| External Capacitor | 1 | 10 | 4.7 | 3 | uF |

FIG. 18

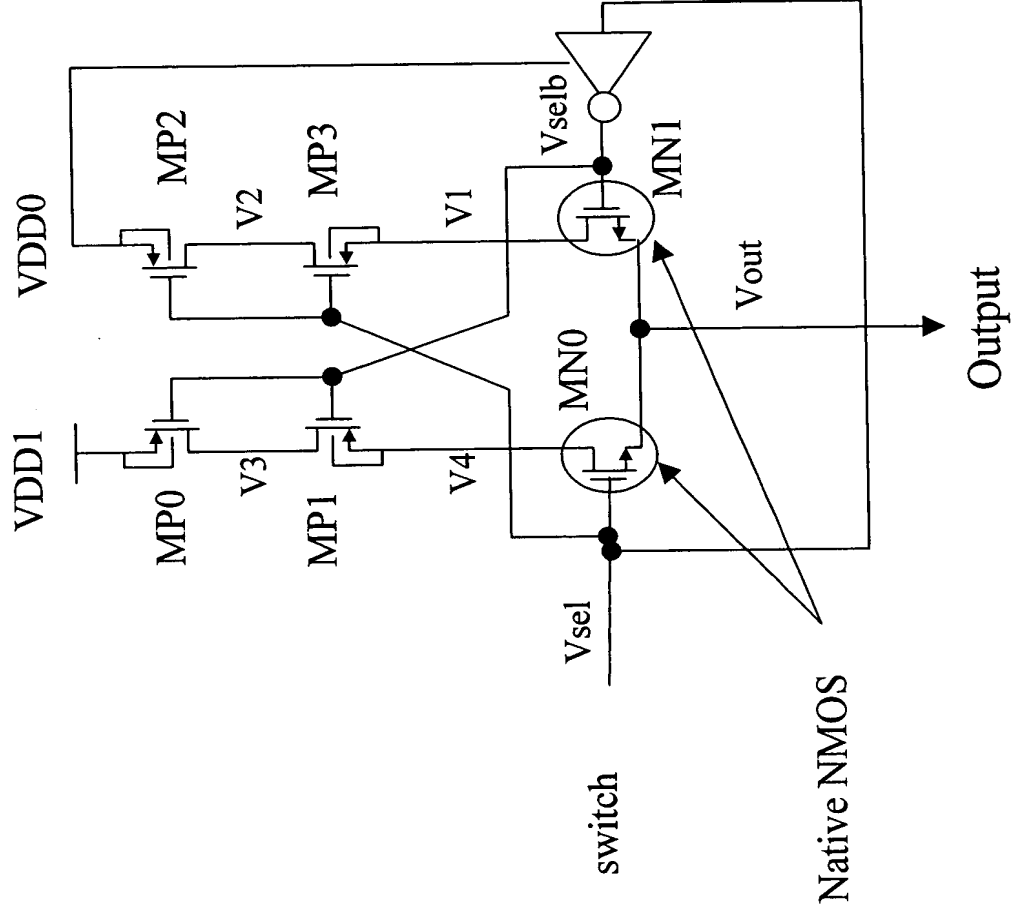


FIG. 19